

AMENDMENTS TO THE CLAIMS

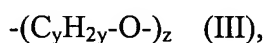
1. (Currently amended) A copolymer containing polyoxymethylene blocks of the structural repeat units of the formula I and blocks containing structural units of the formula II



where R^1 is a divalent radical derived from a hydroxy-terminated aliphatic or cycloaliphatic oligomer or polymer which, ~~where appropriate,~~ **optionally** has ether groups and/or carbonyloxy groups in the chain, and

x is a whole number, at least 10.

2. (Currently amended) The copolymer as claimed in claim 1, wherein x is a whole number from 500 to 10,000, ~~preferably from 1,500 to 5,000.~~
3. (Currently amended) The copolymer as claimed in claim 1, ~~whose~~ **wherein said** polyoxymethylene blocks also contain structural repeat units of the formula III

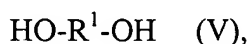


besides the structural repeat units of the formula I, where y is a whole number from 2 to 4, and z is a whole number from 1 to 3.

4. (Currently amended) The copolymer as claimed in claim 1, wherein R^1 is a $-(C_mH_{2m}-O-)_r-C_mH_{2m}-$ radical, m is a whole number from 2 to 4, and r is a whole number from 20 to 1,500, ~~preferably from 50 to 1,000.~~
5. (Original) The copolymer as claimed in claim 4, wherein m is 2.

6. (Currently amended) A process for preparing the copolymer as claimed in claim 1, encompassing the following measures:

- i) forming an initial charge from monomers which form $\text{-O-CH}_2\text{-}$ units together with monomers of the formula V



where R^1 is as defined in claim 1, together with a catalyst usually used for polymerizing the monomers forming the $\text{-O-CH}_2\text{-}$ units, and, ~~where appropriate,~~ optionally together with a solvent, and/or with regulators, and

- ii) carrying out the copolymerization at a temperature of from 120 to 300°C and at a pressure of from 2 to 500 bar.

7. (Currently amended) The process as claimed in claim 6, wherein the resultant block copolymer is treated, after the preparation, with water and/or with a water-soluble alcohol at from 30 to 100°C , ~~preferably at from 50 to 80°C .~~

8. (Cancelled)

9. (new) The copolymer as claimed in claim 1, wherein x is a whole number from 1,500 to 5,000.

10. (new) The copolymer as claimed in claim 1, wherein R^1 is a $\text{-(C}_m\text{H}_{2m}\text{-O-)}_r\text{-C}_m\text{H}_{2m}\text{-}$ radical, m is a whole number from 2 to 4, and r is a whole number from 50 to 1,000.

11. (new) The process as claimed in claim 6, wherein the resultant block copolymer is treated, after the preparation, with water and/or with a water-soluble alcohol at from 50 to 80°C.
12. A molding comprising the copolymer as claimed in claim 1.